

Landscaping the Primary Care Workforce

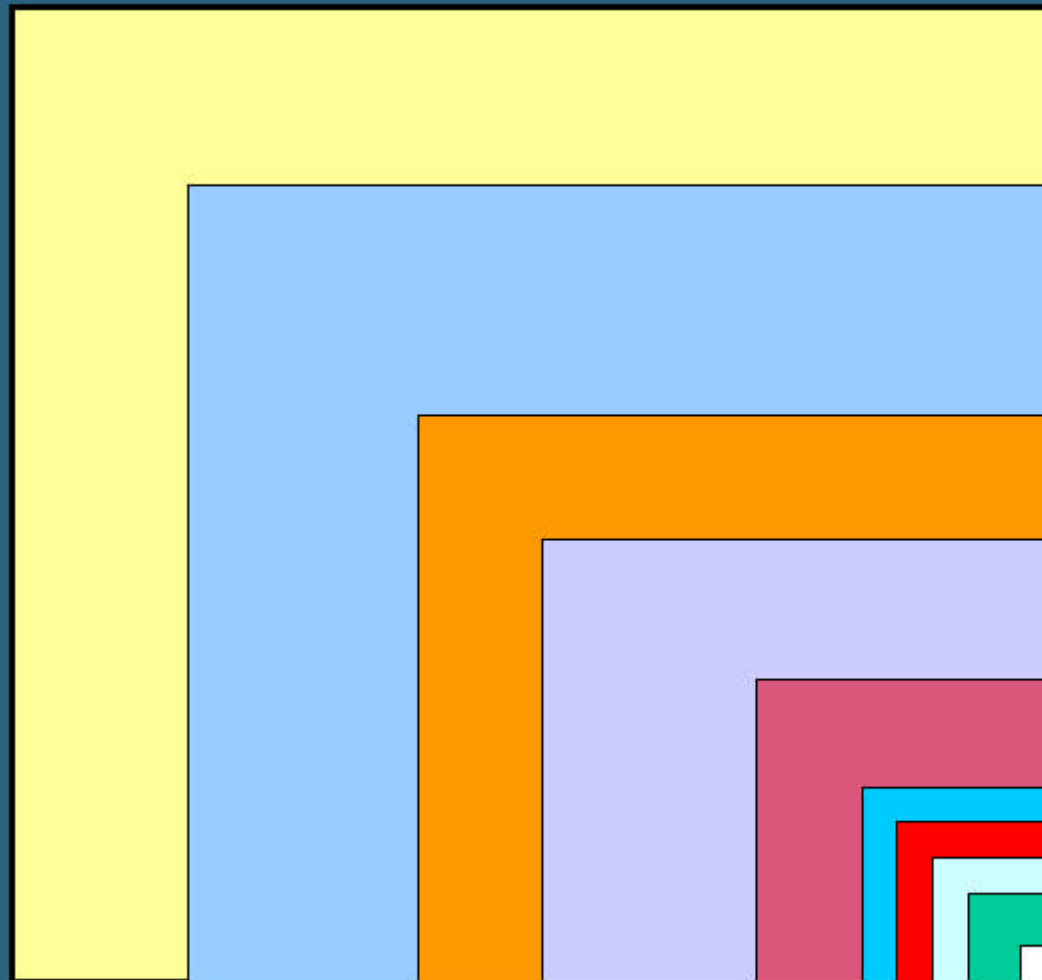
Fitzhugh Mullan, MD

**Murdock Head Professor of Medicine and Health Policy
George Washington University**

**Governor's Workforce Investment Board (GWIB) Health
Care Workforce Summit
Preparing for Reform: Health Care 2020**

Monday, September 19, 2011

In an average month:



Of 1000 people

800 have symptoms

327 consider seeking medical care

217 visit physician's office

113 visit primary care

65 visit CAM provider

21 visit hospital clinic

14 receive home health

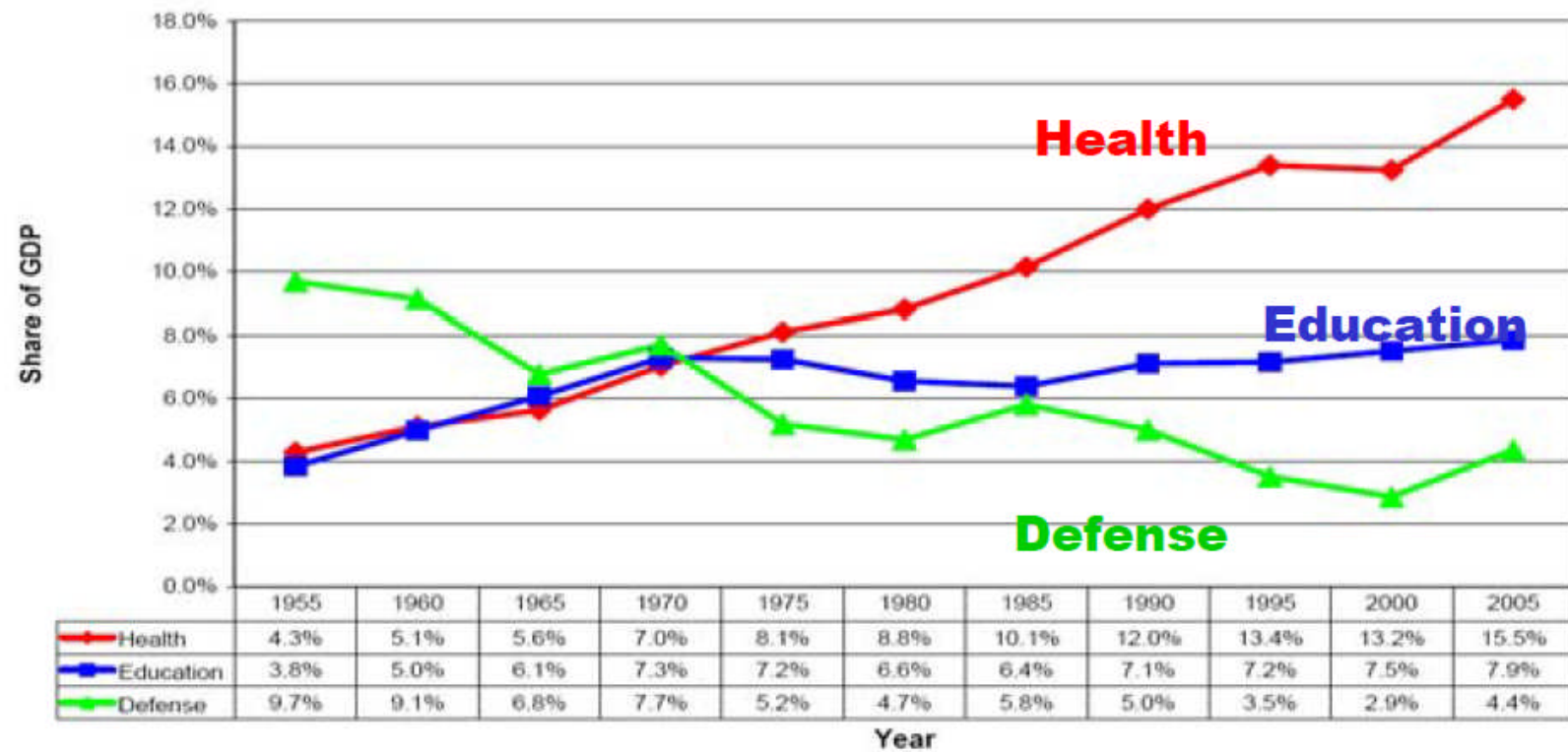
13 visit emergency dept.

8 admitted to hospital

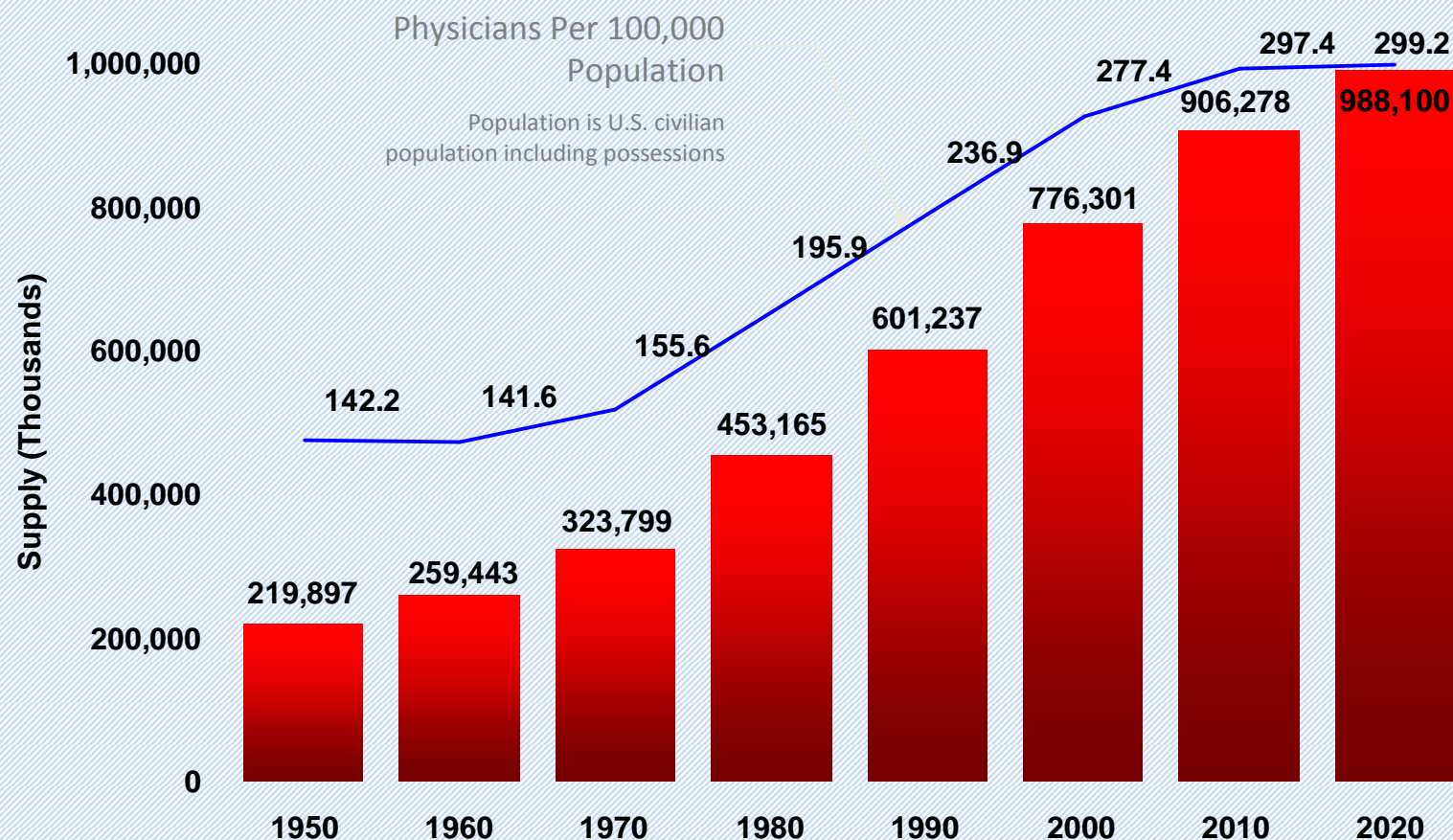
<1 to academic health center hospital

The Ecology of Medical Care

HEALTH, EDUCATION, AND DEFENSE SHARES OF U.S. GDP, 1955 - 2005

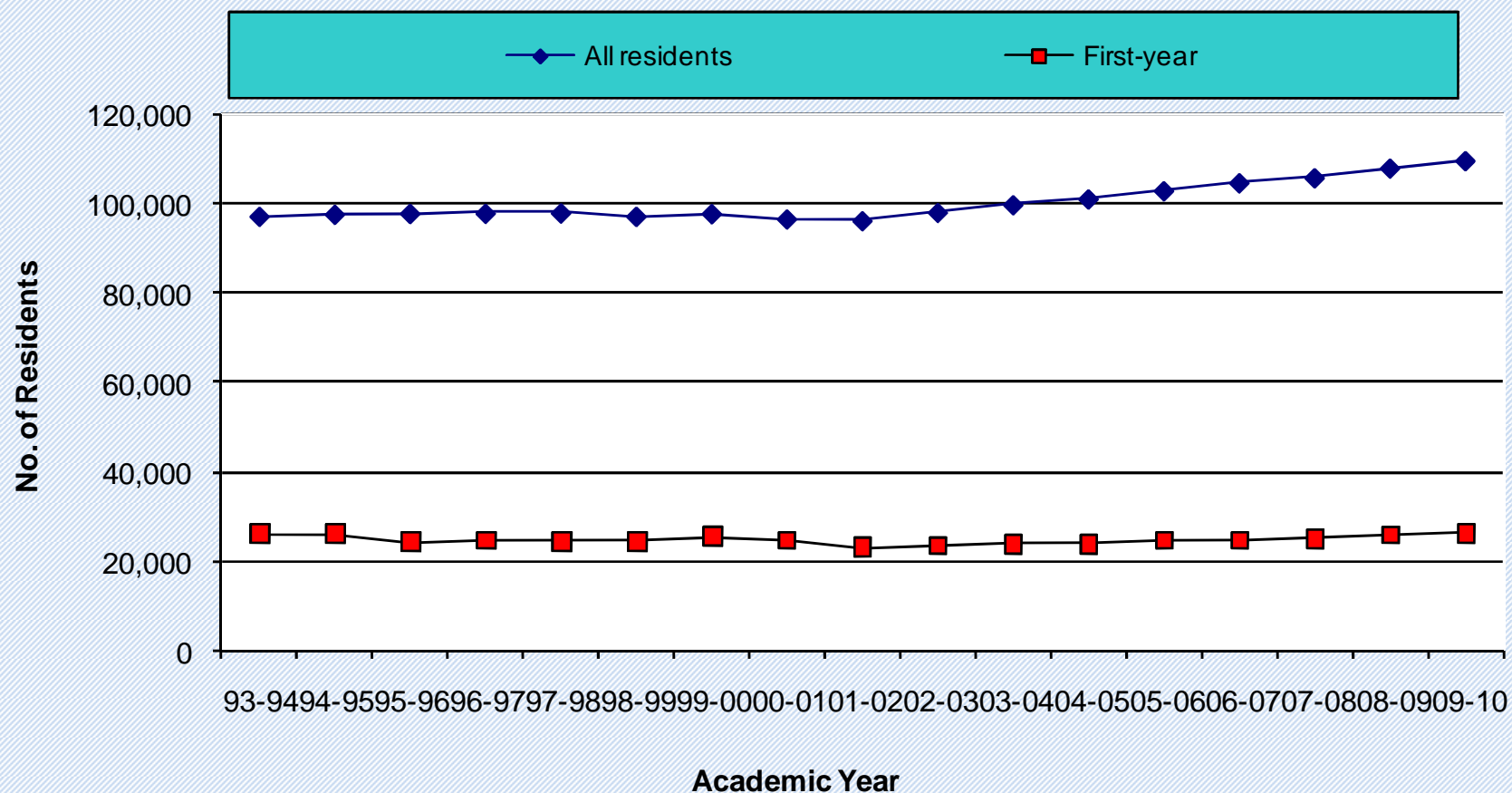


Supply of Active Physicians (MD & DO) and Ratio to Population Actual 1950-2010 and Projected to 2020



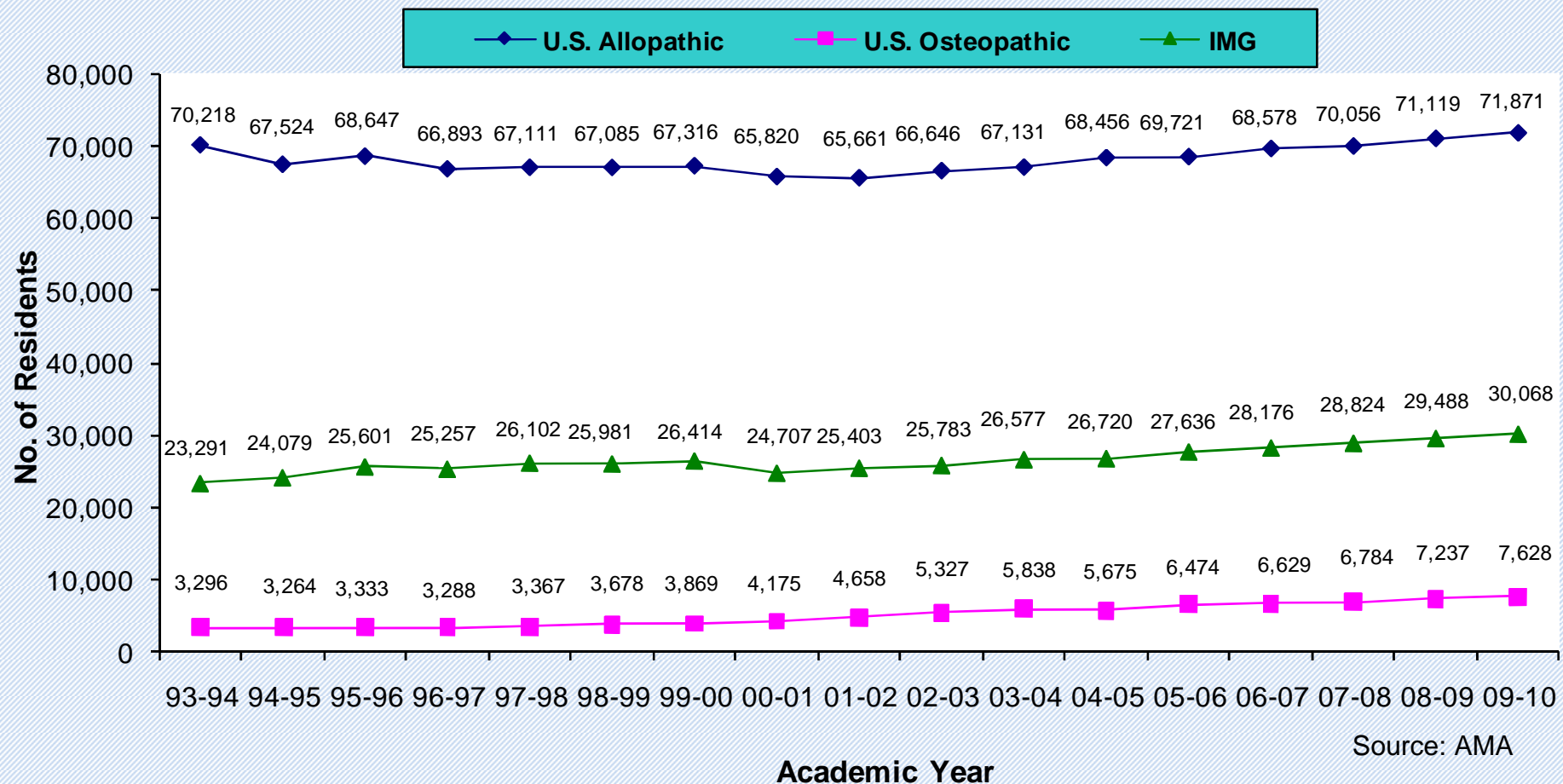
Source: Bureau of Health Professions

Number of Residents in U.S. Allopathic Training Programs from 1993-2010

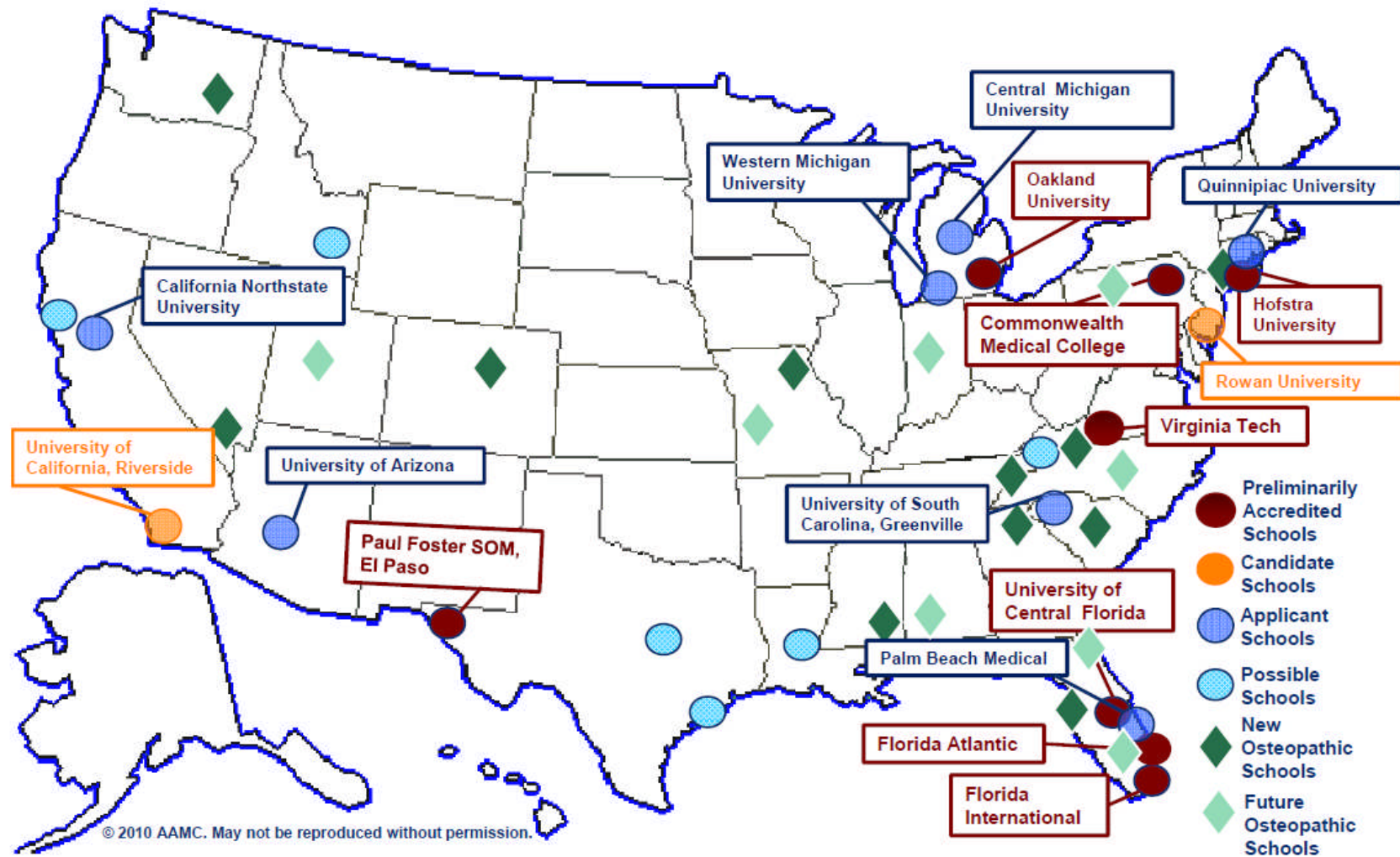


Source: AMA

Number of Residents in U.S. Allopathic Training Programs According to the Type of Medical School Attended -- 1993- 2010



Medical Schools Continue to Increase



1st Year MD and DO Enrollment 2014 as compared with 2002

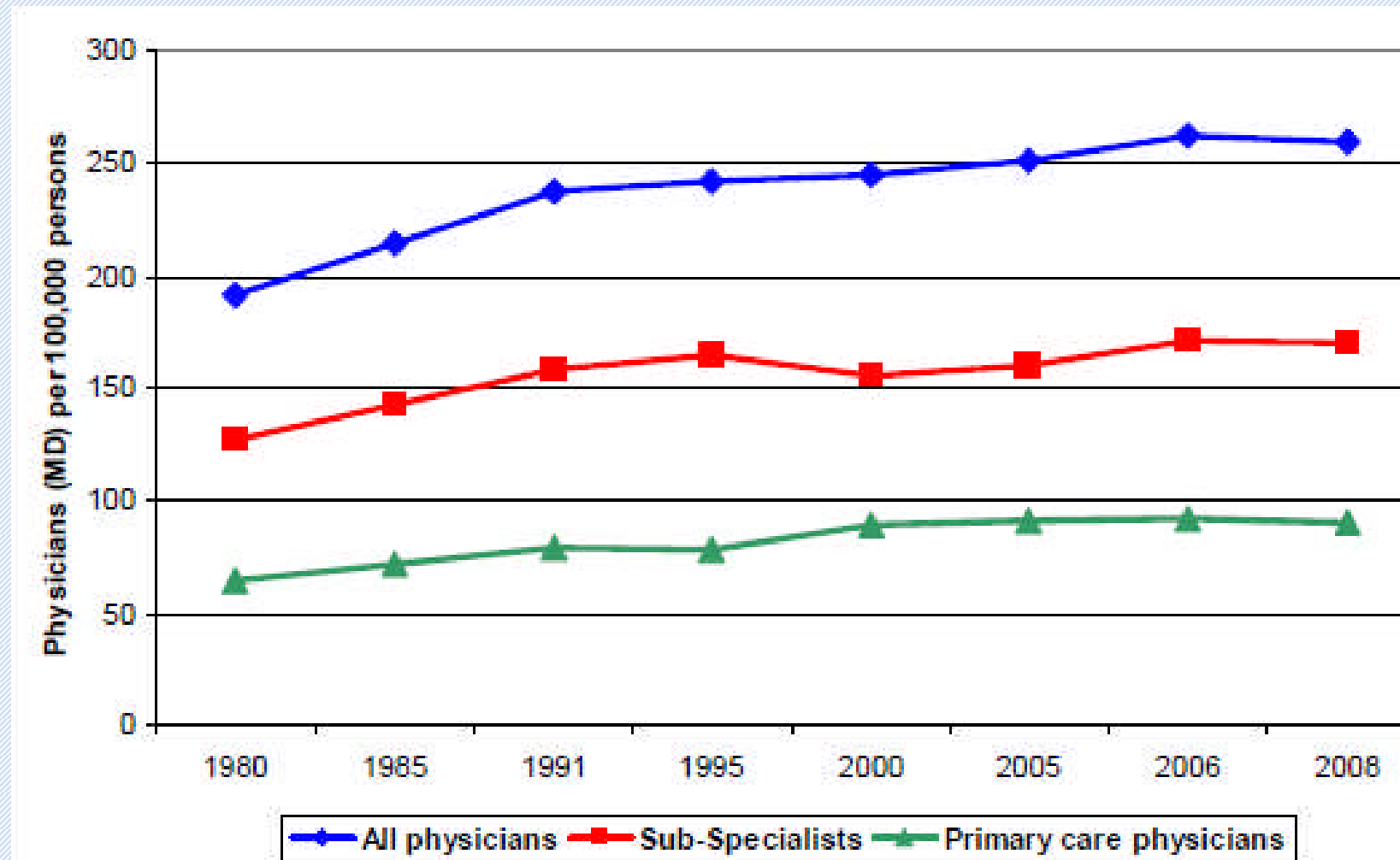
	<u>2002</u>	<u>2014</u>	<u># and % Increase</u>	
MD	16,488	20,281	3,405	23%
DO	3,079	6,271	3,192	103.7%
<hr/>				
Combined	19,567	26,552	6,597	35.7%

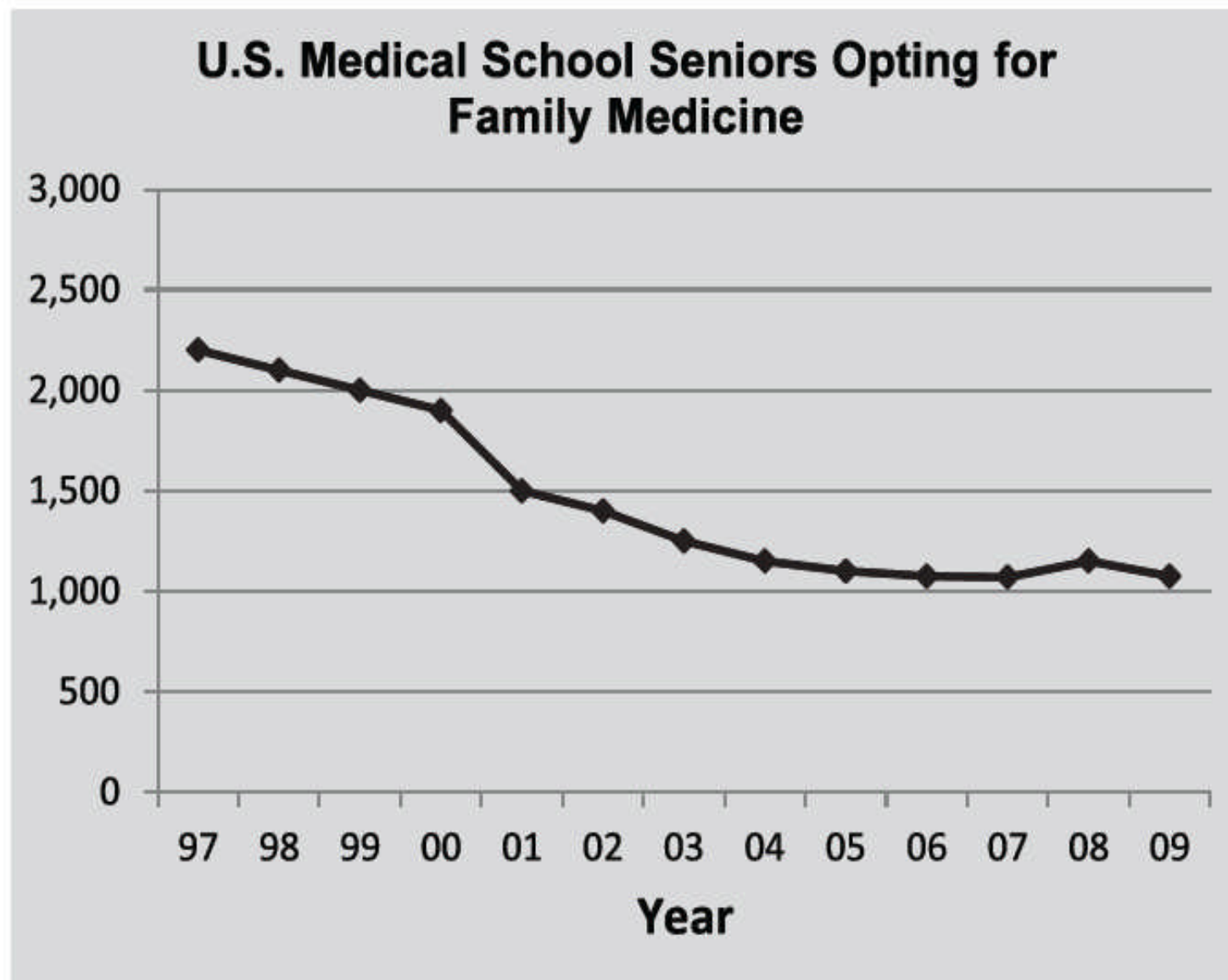
Sources: AAMC Dean's Enrollment Survey: 2009 Preliminary Findings
AACOM 2009 Survey on Osteopathic Medical School Growth Plans Preliminary Data

Why is Primary Care at the Center of Health Care Reform?

- **Cost**
- **Quality**
- **Access**
- **Equity**

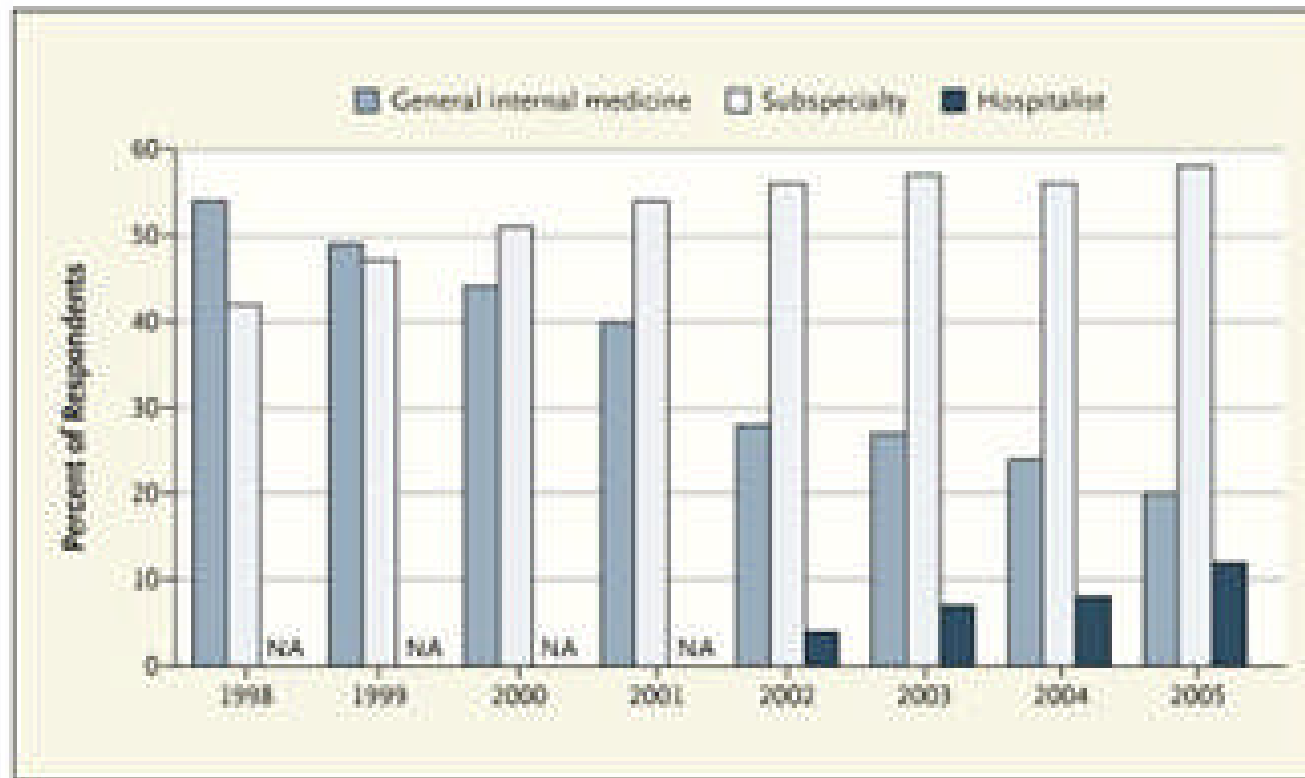
Specialty to Population Ratios 1980-2008 (per 100,000 Persons)





Source: American Academy of Family Physicians, 2009 [47].

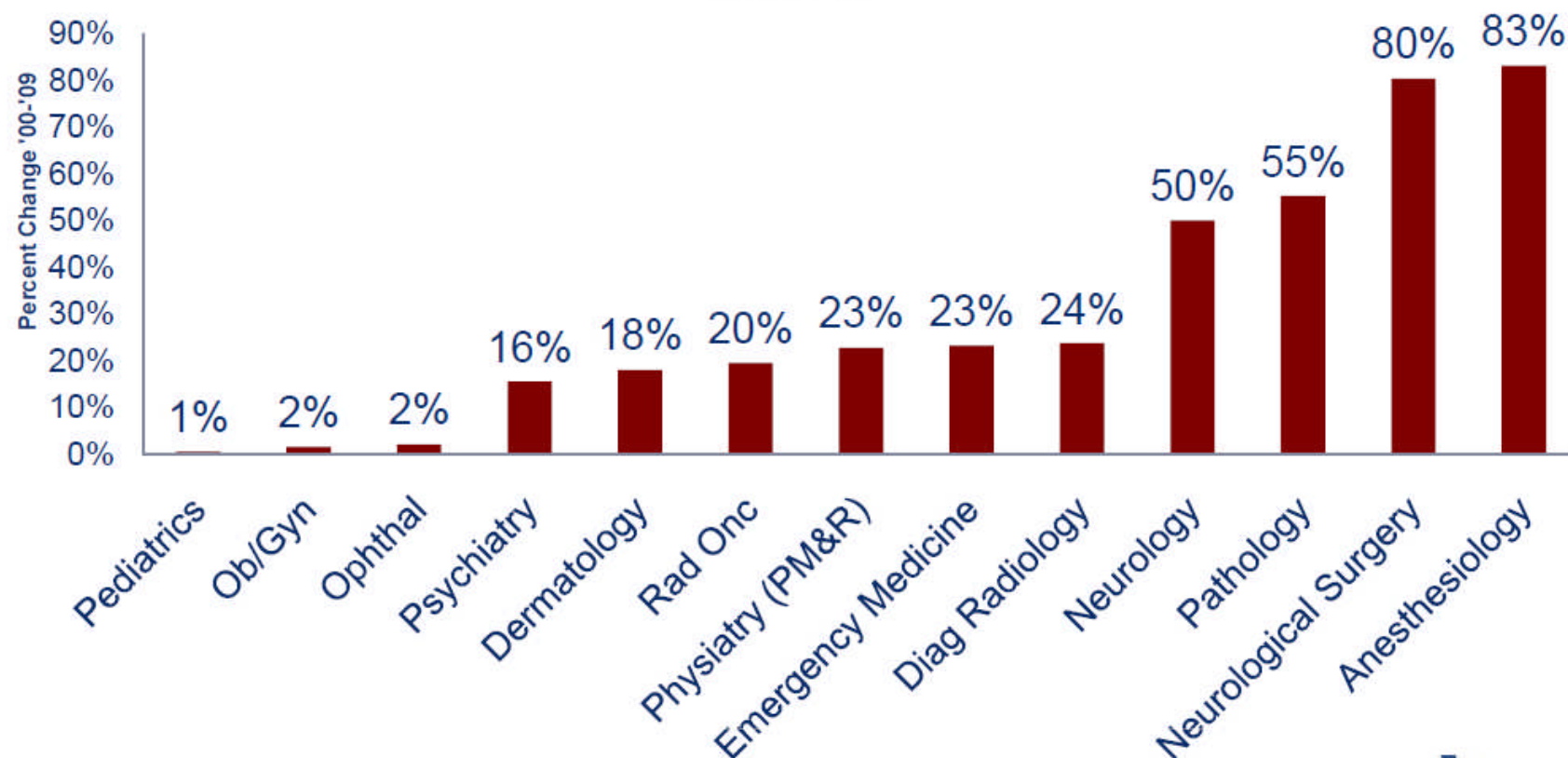
Internal Medicine Residents Career Choices



Bodenheimer T. *The New England Journal of Medicine*. 'Primary Care – Will it Survive?' August 31, 2006.

US MDs moving to lifestyle friendly specialties

Core Specialties with Increasing Numbers of PY1 USMDs between 2000 and 2009

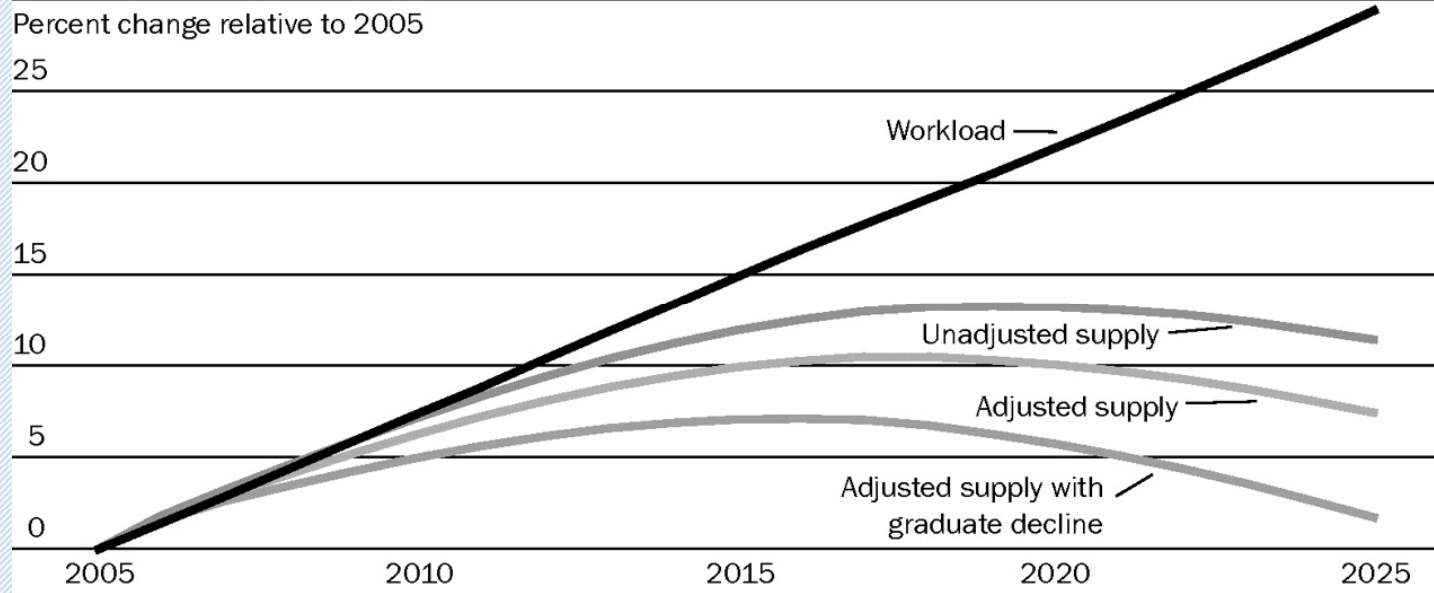


Source: GME Track



EXHIBIT 4

Care For Adults: Projected Percentage Change In Workload And Number Of Generalists, 2005–2025



SOURCES: Data on workload (visits) are from the authors' analysis of data from the National Ambulatory Medical Care Survey (NAMCS), combined 2003–2005 data. Data on supply are from the authors' calculations using the Physician Supply Model, Bureau of Health Professions.

NOTES: Adjusted supply denotes adjustment for age and sex. Graduate decline extends the 2002–2005 rate of decline in graduates through 2008.

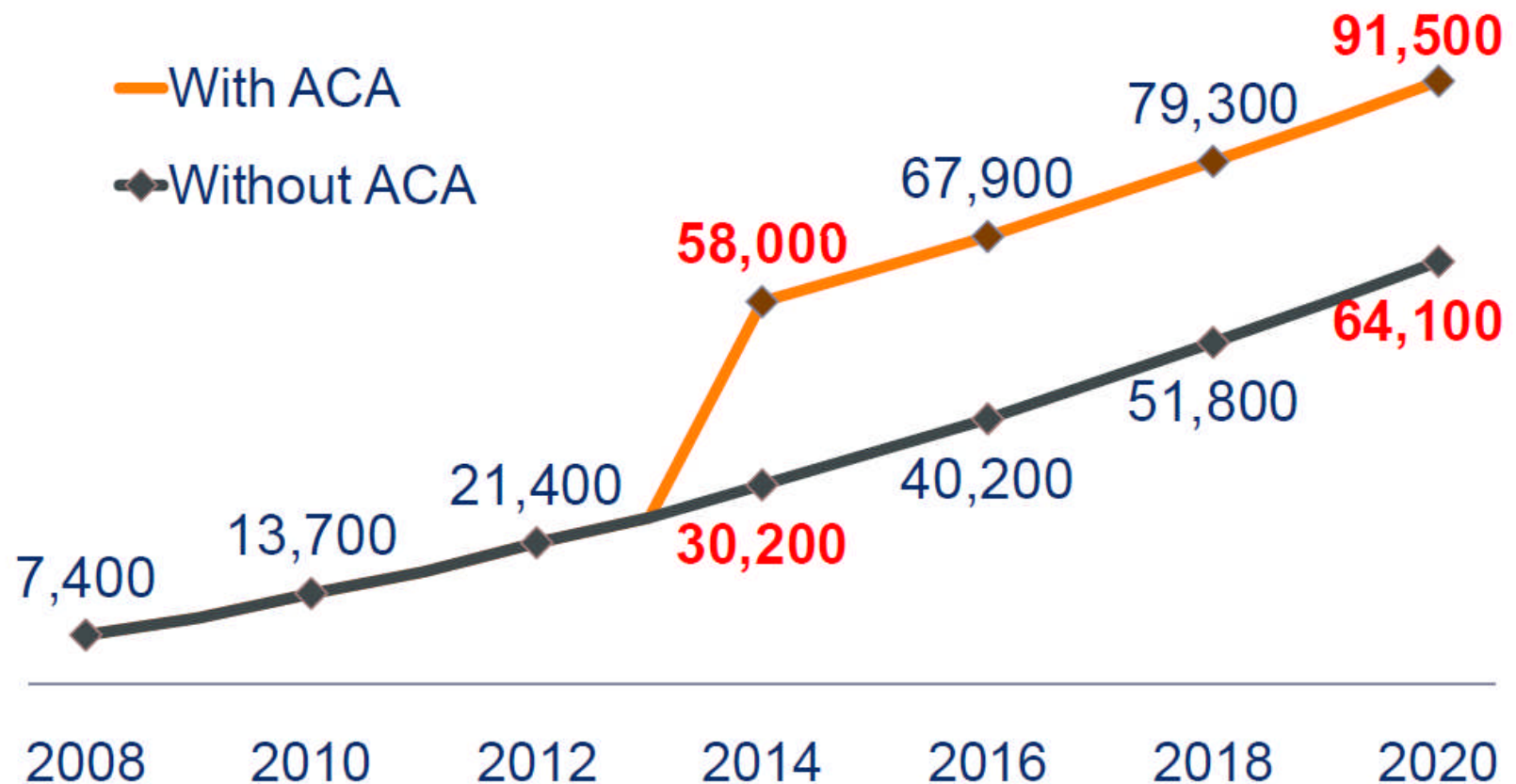
* Projects a deficit of 35,000-44,000 adult care generalists by 2025.

Jack M. Colwill, James M. Cultice, and Robin L. Kruse,
Will Generalist Physician Supply Meet Demands Of An Increasing And Aging Population?
Health Affairs, Vol 27, Issue 3, w232-241w

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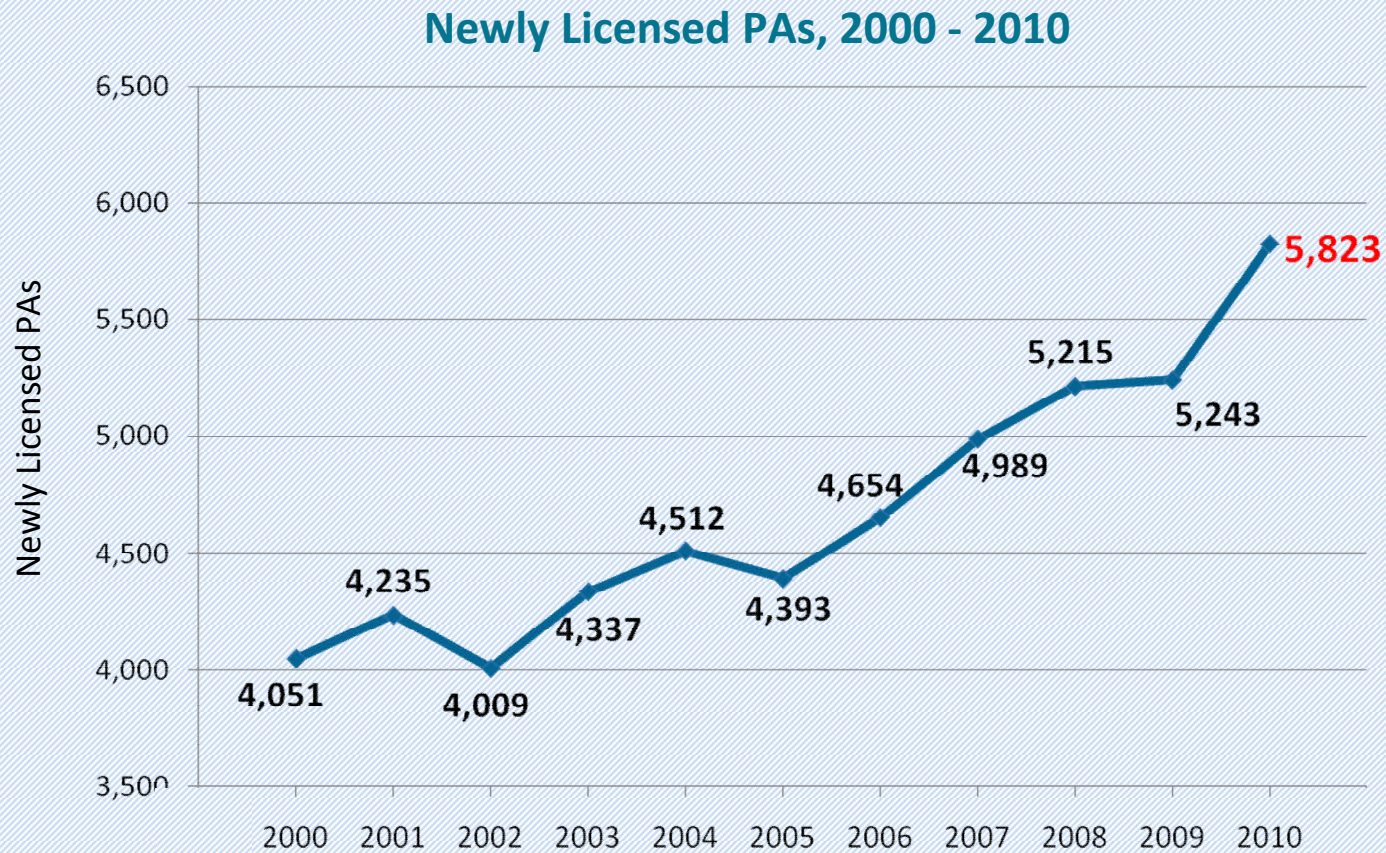
Projected shortages of patient care physicians, 2008 to 2020



Projections prepared by the Lewin Group for the AAMC.

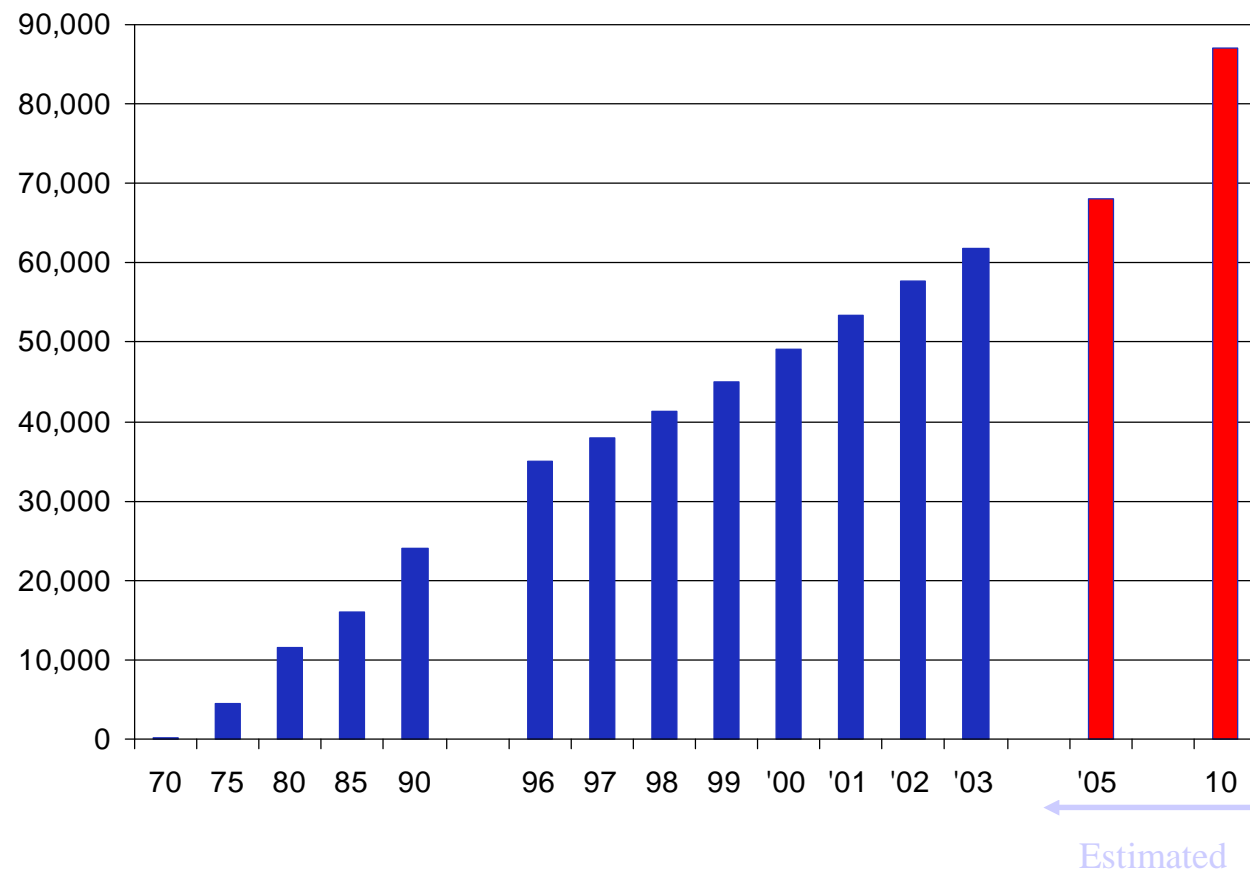


PA Growth



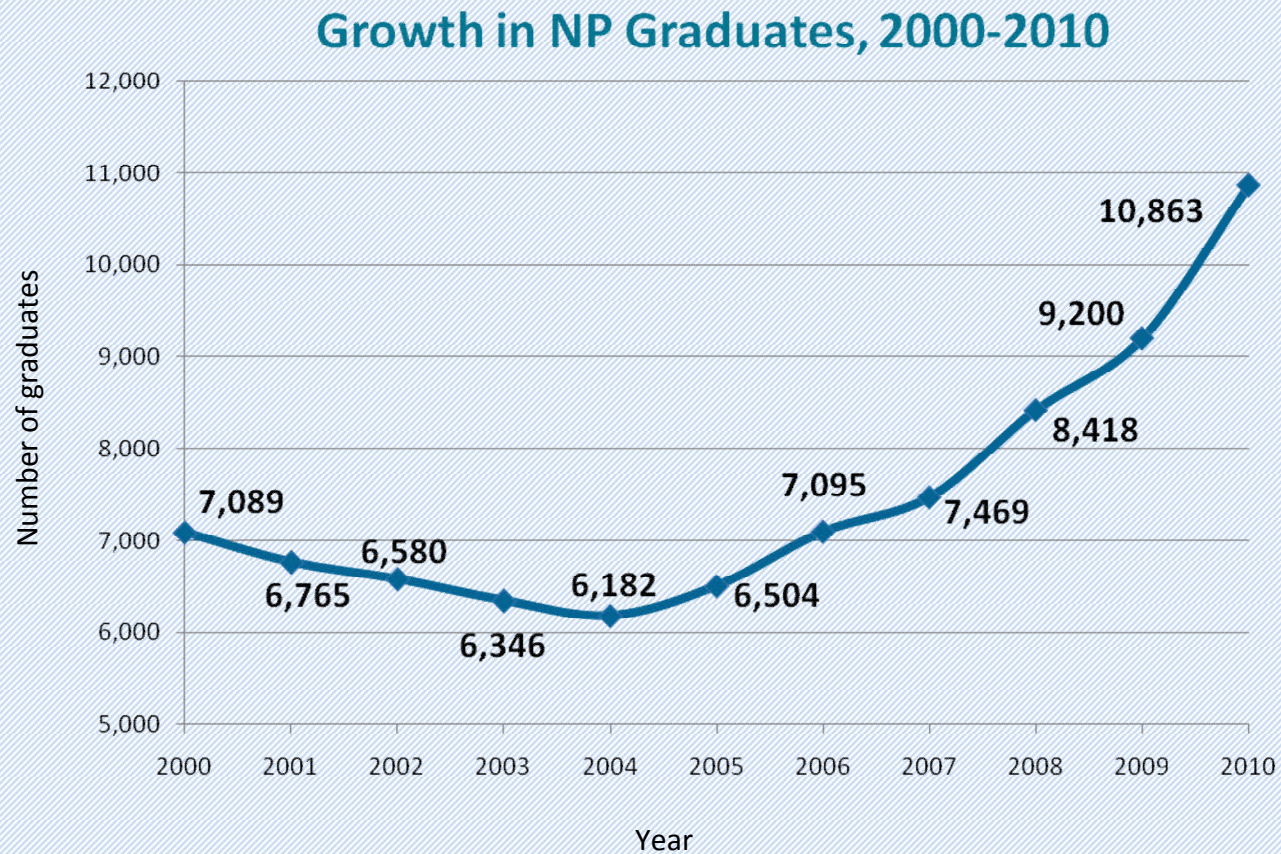
Source: National Commission on Certification of Physician Assistants
"Certified Physician Assistant Population Trends (PA-Cs)"

Projected Number of People Eligible to Practice as PAs



Sources: *Information Updates: Number of People in Clinical Practice as PAs, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, and AAPA Masterfile 10/13/2003.*

NP Growth

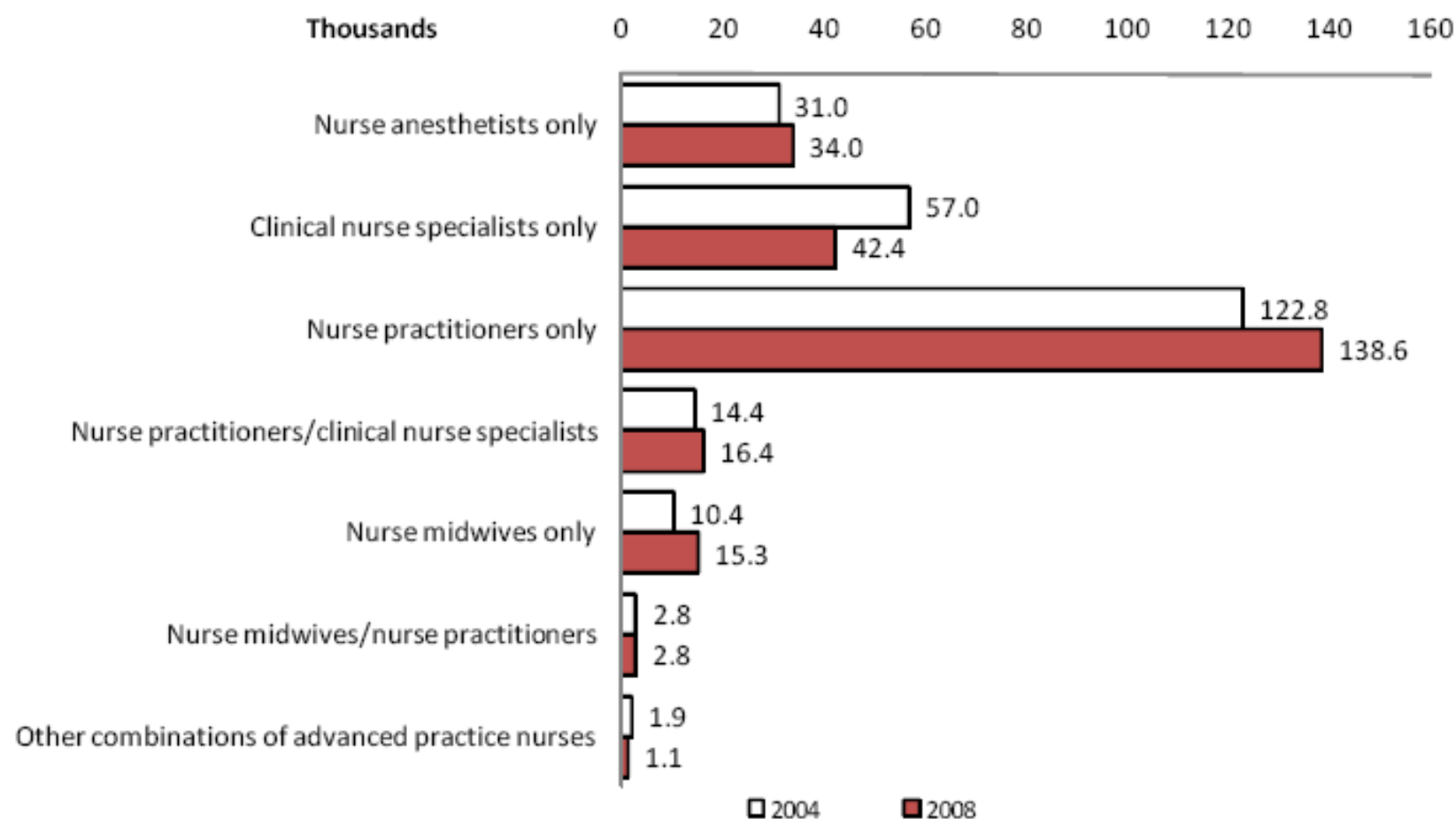


Source: American Association of Colleges of Nursing 2000-2010 Annual Surveys

¹ Analysis includes NP degree programs and post-Master's NP programs; excludes joint NP/CNS program graduates.

Chart 16. Registered nurses prepared for advanced practice, 2004-2008*

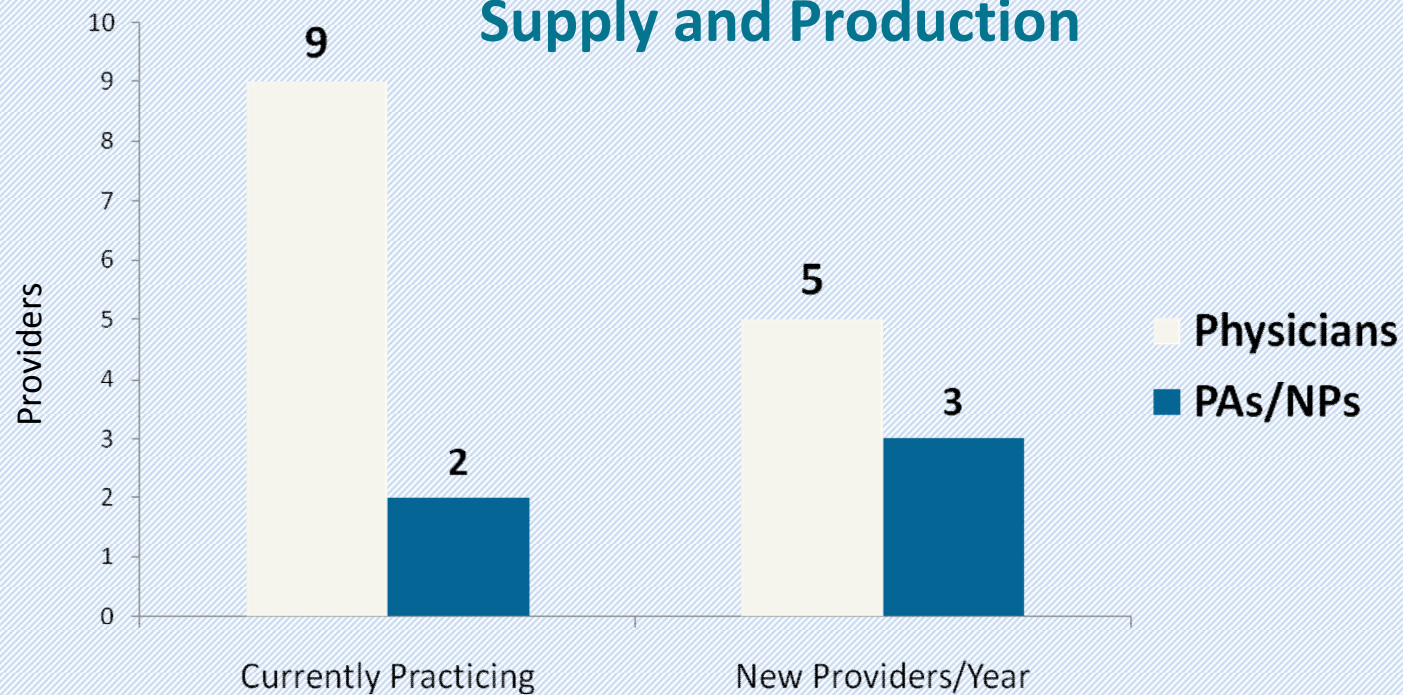
Total: 250,527 RNs (8.2 % of registered nurses)



*The totals in each bar may not equal the estimated numbers for RNs in each survey year due to incomplete information provided by respondents and the effect of rounding. Only those who claimed advanced preparation as a nurse midwife, nurse anesthetist, clinical nurse specialist, and/or nurse practitioner are included in the calculations used for this chart.

Workforce Composition: Growth of PAs/NPs Compared to Physicians

Ratio of Types of Direct Patient Care Providers, Supply and Production



Source: National Center for Health Workforce Analysis

ACA PC Workforce Programs

- **Increased funding for health professions training**
- **Expansion of National Health Service Corps and Community Health Centers**
- **ACOs, PCMHs, bundled payments**
- **Primary Care payment increase**
- **National Center for Health Workforce Analysis**
- **Teaching Health Centers**
- **Health Care Cooperative Extension Service**
- **National Health Care Workforce Commission**

Reform Initiatives -- Data

Needed!!

Reform Initiatives -- Medicine

- **Analyze PC production**
- **Build PC medical school base**
- **Build PC residency base**
- **PC practice incentives**
 - **Scholarships**
 - **Loan repayment**
 - **Reimbursement**

Reform Initiatives – NPs and PAs

- **Increase production**
- **Increase reimbursement**
- **Increase scope of work**

Reform Initiatives – The Public

- **Outreach initiatives to inform and “recruit” the public to the Primary Care idea.**
- **Public education campaigns on the presence, relevance, and importance of good primary care**

African Proverb

**The best thing to do was to have
planted a tree 20 years ago**

**The next best thing is to plant the
tree today.**